

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/586,026
Source: 1FWO
Date Processed by STIC: 7/26/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/586,026

CRF Edit Date: 7/26/06
Edited by: KC

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: J invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWO

RAW SEQUENCE LISTING

DATE: 07/26/2006

PATENT APPLICATION: US/10/586,026

TIME: 17:59:23

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\07262006\J586026.raw

```

3 <110> APPLICANT: Wu, Wenping
4     Schnorr, Kirk Matthew
6 <120> TITLE OF INVENTION: Fungal cell wall degrading enzyme
8 <130> FILE REFERENCE: 10515.204-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/586,026
C--> 10 <141> CURRENT FILING DATE: 2006-07-13
10 <160> NUMBER OF SEQ ID NOS: 4
12 <170> SOFTWARE: PatentIn version 3.3
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 945
16 <212> TYPE: DNA
17 <213> ORGANISM: Trametes cinnabarina
19 <400> SEQUENCE: 1
20 ggccattacg gccgggggtg cacagacgtc ggtgtccgag cacatcctat ctcaactcaag      60
22 cttagaccac cttgggctac gacatgaagc tctctaccac agctctgctt gctattgcgg      120
24 tggcagtggc ctctgcttct cccactcccg agaagcgtgc caaccccaag ggcattgacg      180
26 tctcggttta ccaacccaac atcaactgga gcaccgtcaa agccaacggg atctcgttcg      240
28 catatatcaa ggcaaccgag ggtaccacgt ataccaaccc agacttctcg agccagtata      300
30 caggcgcgac taatgctgga ctcatcggg gcggtacca cttcgcccac cccgactcct      360
32 cttcaggcgc gactcaagcc aagtacttcc tggcccacgg aggtggatgg acaagcgacg      420
34 gaatcacact tccaggcgct ctcgacatcg agtataaccc tagcggggcg gagtgttatg      480
36 gcttaagcgc gtcggcgatg gtttcgtgga tcaaagactt ctccaatacc taccactcgt      540
38 cgaccggagt ttaccctgtt atttacacca ccacggactg gtggacgaca tgcacgggca      600
40 acagtgccgc gtttgcttcg acgaaccctc tatggattgc ccgctatgca tcaagcatcg      660
42 gcaccctgcc cgcagggttg agttatacaa cgttctggca atatgctgac tcgggcccga      720
44 accctggtga ccaggatgag ttcaatggct cgatggcagg actgaagcag cttgcgctcg      780
46 ggtgaagtgg gatgtgaggt cgccggagaa gaagcagagt ccaccggcag cagtatccgt      840
48 cgtgtacatc atggtgtcat accatccgaa gacgatactc gagtcgtacg gacaattcgc      900
50 agcttcgtaa ctttgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa      945
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 233
55 <212> TYPE: PRT
56 <213> ORGANISM: Trametes cinnabarina
58 <400> SEQUENCE: 2
60 Met Lys Leu Ser Thr Thr Ala Leu Leu Ala Ile Ala Val Ala Val Ala
61 1           5           10          15
64 Ser Ala Ser Pro Thr Pro Glu Lys Arg Ala Asn Pro Lys Gly Ile Asp
65           20           25           30
68 Val Ser Ala Tyr Gln Pro Asn Ile Asn Trp Ser Thr Val Lys Ala Asn
69           35           40           45
72 Gly Ile Ser Phe Ala Tyr Ile Lys Ala Thr Glu Gly Thr Thr Tyr Thr
73           50           55           60
76 Asn Pro Asp Phe Ser Ser Gln Tyr Thr Gly Ala Thr Asn Ala Gly Leu

```

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```

77 65          70          75          80
80 Ile Arg Gly Gly Tyr His Phe Ala His Pro Asp Ser Ser Ser Gly Ala
81          85          90          95
84 Thr Gln Ala Lys Tyr Phe Leu Ala His Gly Gly Gly Trp Thr Ser Asp
85          100          105          110
88 Gly Ile Thr Leu Pro Gly Ala Leu Asp Ile Glu Tyr Asn Pro Ser Gly
89          115          120          125
92 Ala Glu Cys Tyr Gly Leu Ser Ala Ser Ala Met Val Ser Trp Ile Lys
93          130          135          140
96 Asp Phe Ser Asn Thr Tyr His Ser Ser Thr Gly Val Tyr Pro Val Ile
97 145          150          155          160
100 Tyr Thr Thr Thr Asp Trp Trp Thr Thr Cys Thr Gly Asn Ser Ala Ala
101          165          170          175
104 Phe Ala Ser Thr Asn Pro Leu Trp Ile Ala Arg Tyr Ala Ser Ser Ile
105          180          185          190
108 Gly Thr Leu Pro Ala Gly Trp Ser Tyr Thr Thr Phe Trp Gln Tyr Ala
109          195          200          205
112 Asp Ser Gly Pro Asn Pro Gly Asp Gln Asp Glu Phe Asn Gly Ser Met
113          210          215          220
116 Ala Gly Leu Lys Gln Leu Ala Leu Gly
117 225          230

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120 <210> SEQ ID NO: 3

121 <211> LENGTH: 34

122 <212> TYPE: DNA

123 <213> ORGANISM: Artificial

125 <220> FEATURE:

126 <223> OTHER INFORMATION: Upstream PCR primer for Seq ID no 1 having an EcoR1 site
added

128 <400> SEQUENCE: 3

129 gcggaattca acatgaagct ctctaccaca gctc

34

132 <210> SEQ ID NO: 4

133 <211> LENGTH: 36

134 <212> TYPE: DNA

135 <213> ORGANISM: Artificial

137 <220> FEATURE:

138 <223> OTHER INFORMATION: Downstream PCR primer for Seq ID no 1 having a NotI site
added

140 <400> SEQUENCE: 4

141 atatgcggcc gcaaagttac gaagctgcga attgtc

36

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/586,026

DATE: 07/26/2006
TIME: 17:59:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07262006\J586026.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,026

DATE: 07/26/2006

TIME: 17:59:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\07262006\J586026.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWO

RAW SEQUENCE LISTING

DATE: 07/25/2006

PATENT APPLICATION: US/10/586,026

TIME: 15:08:35

Input Set : A:\01-SQ Listing-13 Jul 2006.txt

Output Set: N:\CRF4\07252006\J586026.raw

3 <110> APPLICANT: Wu, Wenping
 4 Schnorr, Kirk Matthew
 6 <120> TITLE OF INVENTION: Fungal cell wall degrading enzyme
 8 <130> FILE REFERENCE: 10515.204-US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/586,026
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 10 <160> NUMBER OF SEQ ID NOS: 4
 12 <170> SOFTWARE: PatentIn version 3.3

**Does Not Comply
Corrected Diskette Needed**

ERRORED SEQUENCES

132 <210> SEQ ID NO: 4
 133 <211> LENGTH: 36
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Artificial
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: Downstream PCR primer for Seq ID no 1 having a NotI site
 added
 140 <400> SEQUENCE: 4
 141 atatgcggcc gcaaagttac gaagctgcga attgtc
 E--> 147 3

36

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/25/2006
PATENT APPLICATION: US/10/586,026 TIME: 15:08:36

Input Set : A:\01-SQ Listing-13 Jul 2006.txt
Output Set: N:\CRF4\07252006\J586026.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

DATE: 07/25/2006

PATENT APPLICATION: US/10/586,026

TIME: 15:08:36

Input Set : A:\01-SQ Listing-13 Jul 2006.txt

Output Set: N:\CRF4\07252006\J586026.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:147 M:254 E: No. of Bases conflict, this line has no nucleotides.